# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 3127 | (438/22,33,34,40,42).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/16 06:26 |
| L2 | 2544 | (438/22,33,34,40,42).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/16 06:26 |
| L3 | 957 | (438/22,33,34,40,42).CCLS. | US-PGPUB | OR | OFF | 2007/04/16 06:26 |
| L4 | 1551 | (438/22,33,34,40,42).CCLS. | USPAT | OR | OFF | 2007/04/16 06:27 |
| L5 | 583 | (438/22,33,34,40,42).CCLS. | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/16 06:27 |
| S1 | 11 | ("20010042866"\|"20030189215"\|"20040140474"\|"20040245543"\|"20060202211"\|"6071795").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/16 06:25 |
| S2 | 4 | 09/245503 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/02 14:30 |
| S3 | 38 | ("4243996" \| "5390210" \| "5496766" \| "5804834" \| "5821571" \| "5837561" \| "5838707" \| "5862167" \| "5952681" \| "5985687" \| "6033927" \| "6071795" \| "6100104" \| "6104044" \| "6110277" \| "6111272" \| "6136623" \| "6153010" \| "6156584" \| "6194743" \| "6277696" \| "6291839" \| "6376269" \| "6420199" \| "6559075").PN. OR ("6800500"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 14:31 |

| S4 | 33 | ("20020096106" \| "20030170946" \| "5244818" \| "5286335" \| "5391257" \| "5585648" \| "5679152" \| "5739554" \| "5786606" \| "5798537" \| "5851905" \| "5874747" \| "5880491" \| "5985687" \| "6030884" \| "6033995" \| "6046464" \| "6214733" \| "6281032" \| "6328796" \| "6365429" \| "6455398" \| "6498073" \| "6562127" \| "6562648" \| "6583034" \| "6599133" \| "6627921" \| "6630690" \| "6630695" \| "6646292" \| "6696704" \| "6800500").PN. OR ("7105370"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 14:34 |
|----|----|----|----|----|----|----|
| S5 | 34 | ("5013682" \| "5284791" \| "5478774").PN. OR ("6100104"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 16:11 |
| S6 | 16 | ("20020182839" \| "5557115" \| "5994205" \| "6100104" \| "6559075" \| "6562701" \| "6656820").PN. OR ("6818531").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 07:51 |
| S7 | 9 | ("4218270" \| "5403916" \| "5453405" \| "5798537" \| "6657238" \| "6818531" \| "6831302").PN. OR ("6969626").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 14:51 |
| S8 | 16 | ("20020182839" \| "5557115" \| "5994205" \| "6100104" \| "6559075" \| "6562701" \| "6656820").PN. OR ("6818531").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 15:10 |
| S9 | 1 | 10/861743 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 15:10 |
| S10 | 9 | ("20042866"\|"20030010975"\|"20030122141"\|"20030189215"\|"0122141"\|"5990495"\|"6455340"\|"6562648"\|"6744196").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 15:11 |
| S11 | 7 | ("20042866"\|"20030010975"\|"20030122141"\|"20030189215"\|"200122141"\|"5990495"\|"6455340"\|"6562648"\|"6744196").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 15:13 |
| S12 | 2 | "20040245543" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/02 15:13 |
| S13 | 1 | 2005-038306.NRAN. | DERWENT | OR | OFF | 2007/04/02 15:16 |
| S14 | 0 | 10/600659 | DERWENT | OR | OFF | 2007/04/02 15:17 |

| S15 | 1 | 10/600659 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/03 06:13 |
|-----|-----|-----|-----|-----|-----|-----|
| S16 | 14 | ("20020115265"\|"20030189212"\|"20040051109"\|"20040115849"\|"6071795"\|"6555405"\|"6627921").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/02 15:17 |
| S17 | 14 | ("20020115265"\|"20030189212"\|"20040051109"\|"20040115849"\|"6071795"\|"6555405"\|"6627921").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/03 06:12 |
| S18 | 7 | ("20020014631"\|"20040099876"\|"20040235212"\|"6674098").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/02 16:08 |
| S19 | 5 | ("20010042866"\|"20020137244"\|"6071795"\|"6320206"\|"6869820").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/02 16:12 |
| S20 | 10 | ("20010042866"\|"20020137244"\|"6071795"\|"6320206"\|"6869820").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/03 06:12 |
| S21 | 14 | ("20020115265"\|"20030189212"\|"20040051109"\|"20040115849"\|"6071795"\|"6555405"\|"6627921").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/03 06:13 |
| S22 | 1 | ("7026181").URPN. | USPAT | OR | OFF | 2007/04/03 06:24 |
| S23 | 7 | ("20030189212"\|"20030189215"\|"4218270"\|"5403916"\|"5453405"\|"5798537"\|"6657238"\|"6818531"\|"6831302").PN. | USPAT | OR | OFF | 2007/04/03 06:24 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S24 | 16 | ("20020182839" \| "5557115" \| "5994205" \| "6100104" \| "6559075" \| "6562701" \| "6656820").PN. OR ("6818531").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:25 |
| S25 | 9 | ("4218270" \| "5403916" \| "5453405" \| "5798537" \| "6657238" \| "6818531" \| "6831302").PN. OR ("6969626").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:25 |
| S26 | 38 | ("4243996" \| "5390210" \| "5496766" \| "5804834" \| "5821571" \| "5837561" \| "5838707" \| "5862167" \| "5952681" \| "5985687" \| "6033927" \| "6071795" \| "6100104" \| "6104044" \| "6110277" \| "6111272" \| "6136623" \| "6153010" \| "6156584" \| "6194743" \| "6277696" \| "6291839" \| "6376269" \| "6420199" \| "6559075").PN. OR ("6800500"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:41 |
| S27 | 19 | ("20040135158" \| "20040235210" \| "20040245543" \| "20060091409" \| "5959316" \| "5998925" \| "6071795" \| "6221683" \| "6417019" \| "6501102" \| "6576488" \| "6641448" \| "6642652" \| "6658041" \| "6734466" \| "6744071" \| "6744196" \| "6770542" \| "6800500").PN. OR ("7195944").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:54 |
| S28 | 19 | "652648" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:54 |
| S29 | 17 | "6562648" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:55 |
| S30 | 11 | "6455340" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 06:55 |
| S31 | 8 | ("6067309"\|"6281526"\|"6303405"\|"6326294").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/04 06:36 |

| S32 | 1 | 11/002413 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 07:14 |
|-----|----|-----------|---------|----|-----|-------------------|
| S33 | 48 | ("20010042866"\|"20010042866"\|"20020137244"\|"20020163302"\|"20040051105"\|"5739554"\|"5929466"\|"5959307"\|"6071795"\|"6100545"\|"6120600"\|"6172382"\|"6281526"\|"6303405"\|"6320206"\|"6329216"\|"6358770"\|"6365429"\|"6426512"\|"6479839"\|"6510195"\|"6614060"\|"6639925"\|"6869820").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 07:15 |
| S34 | 14 | ("20010042866"\|"20020137244"\|"20020163302"\|"6281526"\|"6320206"\|"6365429"\|"6869820").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 07:17 |
| S35 | 48 | ("20010042866"\|"20010042866"\|"20020137244"\|"20020163302"\|"20040051105"\|"5281526"\|"5739554"\|"5929466"\|"6071795"\|"6100545"\|"6120600"\|"6172382"\|"6281526"\|"6303405"\|"6320206"\|"6329216"\|"6358770"\|"6365429"\|"6426512"\|"6479839"\|"6510195"\|"6614060"\|"6639925"\|"6869820").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 07:47 |
| S36 | 2 | 10/324039 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 07:47 |
| S37 | 9 | ("5073230" \| "5286335" \| "5391257" \| "5401983" \| "5465009" \| "5827751" \| "6033995" \| "6214733").PN. OR ("6858518").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 07:47 |
| S38 | 64 | ("3959045" \| "5013681" \| "5073230" \| "5261999").PN. OR ("5391257").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 07:48 |

# EAST Search History

| S39 | 2569 | (438/22,39,33,28,39).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/04 07:11 |
|-----|------|----------------------------|---------------------------------------------------------|----|-----|-------------------|
| S40 | 0 | ("("20030080344"\|"5650641"\|"5693180"\|"5776792"\|"5923946"\|"5987048"\|"6031858"\|"6071795"\|"6118801"\|"6365429"\|"6400742"\|"6448102"\|"6503769").PN.").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 09:20 |
| S41 | 28 | ("20030080344"\|"5650641"\|"5693180"\|"5776792"\|"5923946"\|"5987048"\|"6031858"\|"6071795"\|"6118801"\|"6365429"\|"6400742"\|"6448102"\|"6503769").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:19 |
| S42 | 28 | ("20020097941"\|"20020101898"\|"20040084683"\|"20050105576"\|"4831630"\|"4915482"\|"5034783"\|"5366927"\|"5548607"\|"5936266"\|"6044097"\|"6088500"\|"6472682"\|"6963266").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:32 |
| S43 | 1 | 10/848870 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:28 |
| S44 | 16 | S42 and modulator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:36 |
| S45 | 112 | modulator and tunnel near junction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:36 |

# EAST Search History

| S46 | 25 | modulator same tunnel near junction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:36 |
|-----|----|----|----|----|----|----|
| S47 | 8 | artifical near rock | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/04 06:36 |
| S48 | 11 | artifical with rock | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/04 07:13 |
| S49 | 13 | artifical with rock | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/04 07:13 |